

**MECHANISMS OF CONTROL HOLD OPERATION AND MAC_ID ASSIGNMENT
FOR CDMA2000 1xEV-DV REVERSE ENHANCED HIGH-SPEED PACKET DATA
CHANNEL**

ABSTRACT OF THE DISCLOSURE

- 5 Disclosed herein are methods and apparatus for incorporation of a Reverse Link Control Hold Mode and MAC_ID assignment in a cdma2000 1xEV-DV communications system. The teachings herein provide for a reverse link Control Hold Mode for a cellular communications system, wherein a mobile station uses an R-PDCH channel with or without an F-PDCH channel being assigned; alternatively, where a mobile station uses a F-PDCH channel without an R-
- 10 PDCH channel. A medium access control identification code (MAC_ID) assigned by a base station from a MAC_ID space to each one of a plurality of mobile stations; wherein the MAC_ID is assigned in an ascending (or descending) order from the MAC_ID space for a first group of mobile stations, and wherein the MAC_ID is assigned in a descending (or ascending) order from the MAC_ID space for a second group of mobile stations.